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23 September 1965

MEMORANDUM FOR THE RECORD

SUBJECT: Description of DD/S&T Activities to PFIAB by
Dr. Albert D. Wheelon

1. In opening the meeting, the Chairman, Mr. Clifford, indicated that the Board had a particular and pressing interest in the NRP. He requested Dr. Wheelon to describe the background of the NRO, and comment upon its workability rather than proceeding with the presentation which he had prepared. Dr. Wheelon pointed out that he had advised Admiral Raborn not to sign the extant NRO Agreement, but had agreed wholeheartedly to support it if Admiral Raborn did accept the agreement. In view of this situation, Dr. Wheelon said he would prefer not to discuss this subject unless Admiral Raborn could be present. The Chairman then stated that the Committee was very concerned because they had now heard the principal participants in the program both state that they felt that the organization was unworkable in its present form. Mr. Clifford referred to a presentation by Dr. McMillan as acrimonious in part, and said that Dr. McMillan felt the agreement left too much to negotiation. Mr. Clifford then pointed out the vital position of the program in the national intelligence effort, and indirectly urged Dr. Wheelon to address the question. Again Dr. Wheelon deferred, but he indicated that he would be available at the Committee's convenience to address this subject after Admiral Raborn had been contacted.

2. Mr. Clifford indicated that it would be appreciated if the presentation could be limited to approximately one half hour in order to allow the Committee time for consideration of other pressing matters in Executive Session.

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3. Dr. Wheelon described the total scope of DD/S&T activity extending from research to the production of finished intelligence.

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5. Dr. Wheelon pointed out in particular the rapid development of depth in technical capability in DD/S&T citing the number of Ph. D's now aboard as well as those with advanced degrees.

materials research alone. It was explained that there was no desire to make direct comparisons between Pentagon and CIA budgets, but that these numbers were useful for illustrative purposes.

7. The structure of the DD/S&T was discussed and the functions of the various organizations explained. In response to a direct question about how DD/S&T gets work done, Dr. Wheelon pointed out that this varies from extreme of funding through ONR for such things as the backscatter radar to total accomplishment of research in-house as typified by the polygraph work for which no appropriate experience exists in industry.

8. Dr. Land asked if we had yet found relationships to

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determine what happens in the use of the polygraph. It was explained that several factors are involved, but our studies are not yet complete. However, considerable information is disclosed in the pre-polygraph interview that no doubt this is induced by just the presence of the polygraph, that ethnic background plays a considerable part in the polygraph work; that the Agency is in a position to compare medical data with the results and investigate the correlation between these two factors.

9. The capabilities of the IR camera were briefly described, and the intent mentioned to develop a 1/10th mil. camera followed by a 1/20th mil. camera. Considerable emphasis was given to the major new effort now required for development of stay behind black boxes which will be able to employ a number of sensors, do some processing and analysis in place, and then transmit the results to a remote station. Initially these stations may communicate to the back scanner radars. Emplacement could be by agent initially, perhaps by drop from overflight, and eventually through ballistic emplacement.

10. Dr. Wheelon mentioned a number of items which he thought were important but too detailed to give appropriate treatment in the limited length of time, and expressed the hope that the Committee would find time for presentation on these separate subjects later. These included review of recent work and advances in counter-audio, the quality ELINT program, and a fuller discussion of the IR camera work, as well as the discussion of the NRO.

11. The Committee appeared to be interested but did not probe in any particular areas. At the conclusion of the meeting, Mr. Clifford again expressed his intention to contact Admiral Raborn so that a discussion of the NRO Agreement would be held tomorrow.

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